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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/886,536	06/20/2001	Stepan Sokolov	SUN1P834/P6238	6394

22434 7590 02/11/2005	EXAMINER
BEYER WEAVER & THOMAS LLP P.O. BOX 70250 OAKLAND, CA 94612-0250	MOFIZ, APU M

ART UNIT	PAPER NUMBER
2165	

DATE MAILED: 02/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Notice of Allowability	09/886,536	SOKOLOV ET AL.
	Examiner	Art Unit	
	Apu M Mofiz	2165	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>09/21/2004</u>.

2. ☒ The allowed claim(s) is/are <u>14-17 and 21-35 and renumbered as 1-19</u>.

3. ☒ The drawings filed on <u>20 June 2001</u> are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date <u>02/03/2005</u> . 08/04/2004 (second copy)

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

1.   Applicant's amendment and arguments filed September 21, 2004 have been fully

considered and they are deemed to be persuasive.

EXAMINER'S AMENDMENT

2.   Authorization for Examiner's Amendment to the amendment filed 09/21/2005 was

given by R. Mahboubian in a telephone interview on 02/03/2005.

3.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

4.   The application has been amended as follows:

1)   In Claim 14, line 1 (i.e. line 1 of claim 14), inserted "computer implemented"

before "method" and after "A";

2)   In Claim 14, line 1 (i.e. line 1 of claim 14), deleted "TM" after "Java";

3)   In Claim 14, line 2 (i.e. line 2 of claim 14), deleted "TM" after "Java";

4)   In Claim 14, line 3 (i.e. line 3 of claim 14), deleted "TM" after "Java";

5)   In Claim 14, line 4 (i.e. line 4 of claim 14), deleted "TM" after "Java";

6)   In Claim 14, line 5 (i.e. line 5 of claim 14), deleted "TM" after "Java";

7)   In Claim 14, line 7 (i.e. line 7 of claim 14), deleted "TM" after "Java";

8) In Claim 14, line 7 (i.e. line 7 of claim 14), deleted "a" before "Java" and inserted "said" before "Java";

9) In Claim 14, line 8 (i.e. line 8 of claim 14), deleted "TM" after "Java";

10) In Claim 14, line 9 (i.e. line 9 of claim 14), deleted "TM" after "Java";

11) In Claim 14, line 10 (i.e. line 10 of claim 14), deleted "TM" after "Java";

12) In Claim 14, line 12 (i.e. line 12 of claim 14), deleted "TM" after "Java";

13) In Claim 14, line 12 (i.e. line 12 of claim 14), deleted "a" before "Java" and inserted "said" before "Java";

14) In Claim 14, line 15 (i.e. line 15 of claim 14), deleted "TM" after "Java";

15) In Claim 15, line 2 (i.e. line 2 of claim 15), deleted "TM" after "Java";

16) In Claim 16, line 4 (i.e. line 4 of claim 16), deleted "TM" after "Java";

17) In Claim 24, line 2 (i.e. line 2 of claim 24), deleted "TM" after "Java";

18) In Claim 24, line 4 (i.e. line 4 of claim 24), deleted "TM" after "Java";

19) In Claim 24, line 5 (i.e. line 5 of claim 24), deleted "TM" after "Java";

20) In Claim 24, line 6 (i.e. line 6 of claim 24), deleted "TM" after "Java";

21) In Claim 24, line 8 (i.e. line 8 of claim 24), deleted "TM" after "Java";

22) In Claim 24, line 8 (i.e. line 8 of claim 24), deleted "a" before "Java" and inserted "said" before "Java";

23) In Claim 24, line 9 (i.e. line 9 of claim 24), deleted "TM" after "Java";

24)   In Claim 24, line 10 (i.e. line 10 of claim 24), deleted "TM" after "Java";

25)   In Claim 24, line 12 (i.e. line 12 of claim 24), deleted "TM" after "Java";

26)   In Claim 24, line 13 (i.e. line 13 of claim 24), deleted "TM" after "Java";

27)   In Claim 24, line 13 (i.e. line 13 of claim 24), deleted "a" before "Java" and

inserted "said" before "Java";

28)   In Claim 24, line 17 (i.e. line 17 of claim 24), deleted "TM" after "Java";

29)   In Claim 25, line 2 (i.e. line 2 of claim 25), deleted "TM" after "Java";

30)   In Claim 26, line 4 (i.e. line 4 of claim 26), deleted "TM" after "Java";

31)   In Claim 31, line 1 (i.e. line 1 of claim 31), deleted "TM" after "Java";

32)   In Claim 31, line 2 (i.e. line 2 of claim 31), deleted "TM" after "Java";

33)   In Claim 31, line 3 (i.e. line 3 of claim 31), deleted "TM" after "Java";

34)   In Claim 31, line 4 (i.e. line 4 of claim 31), deleted "TM" after "Java";

35)   In Claim 31, line 5 (i.e. line 5 of claim 31), deleted "TM" after "Java";

36)   In Claim 31, line 7 (i.e. line 7 of claim 31), deleted "TM" after "Java";

37)   In Claim 31, line 7 (i.e. line 7 of claim 31), deleted "a" before "Java" and inserted

"said" before "Java";

38)   In Claim 31, line 8 (i.e. line 8 of claim 31), deleted "TM" after "Java";

39)   In Claim 31, line 9 (i.e. line 9 of claim 31), deleted "TM" after "Java";

40)   In Claim 31, line 10 (i.e. line 10 of claim 31), deleted "TM" after "Java";

41)   In Claim 31, line 12 (i.e. line 12 of claim 31), deleted "TM" after "Java";

42)   In Claim 31, line 12 (i.e. line 12 of claim 31), deleted "a" before "Java" and

inserted "said" before "Java";

43)   In Claim 31, line 15 (i.e. line 15 of claim 31), deleted "TM" after "Java";

44)   In Claim 31, line 17 (i.e. line 17 of claim 31), deleted "TM" after "Java";

45)   In Claim 32, line 4 (i.e. line 4 of claim 32), deleted "TM" after "Java";

Allowable Subject Matter

5.   Claims 14-17 and 21-35 are allowed over the prior art of record.

Reasons For Allowance

6.   The following is an examiner's statement of reasons for Allowance:

Regarding Independent claims 14,24 and 31, Applicant's particular determining

whether a field of a java object is a reference to another java object, which includes

reading a class file associated with a java object, identifying fields of the java object that

are references, allocating a reference identifier for the java object, wherein the

reference identifier has one or more entries and each of the one or more entries

correspond to a field of the java object, and wherein each of the one or more entries can

be used to indicate whether a corresponding field of the java object is a reference to

another java object, initializing the reference identifier to indicate which fields of the java

object are references, identifying an internal class representation for the java object,

identifying a reference identifier in the internal class representation, reading a portion of the reference identifier that represents the field of the java object and determining whether the value stored in the portion of the reference identifier is equal to a predetermined value in combination with other limitations of the claims, was not disclosed by, would not have been obvious over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
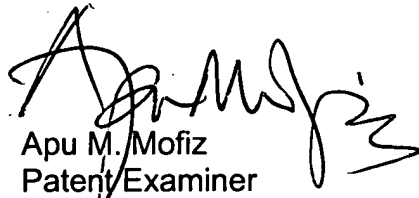

Points of Contact

7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Apu M. Mofiz whose telephone number is (571) 272-4080. The examiner can normally be reached on Monday – Thursday 8:00 A.M. to 4:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached at (571) 272-4083. The fax numbers for the group is (703) 872-9306.

   Any inquiry of a general nature or relating to the status of this application should

be directed to the Group receptionist whose telephone number is (703) 305-9600.

Apu M. Mofiz
Patent Examiner
Technology Center 2100

February 03,2005